

## Summary

A sensor element (10), having a layer configuration, for detecting a physical property of a gas is proposed, in particular for detecting the concentration of a gas component in an exhaust gas of an internal combustion engine. The sensor element (10) has a measuring device (22), used to detect a physical property of the gas, and a heating device (21). The heating device (21) includes a heater (30), which is electrically connected to a first heater supply lead (31) and a second heater supply lead (32). The first heater supply lead (31) is arranged in a plane of stratification between the second heater supply lead (32) and the measuring device (22). The first heater supply lead (31) is at an at least largely constant electrical potential.

(Figure 1)